

PATENT ABSTRACTS OF JAPAN

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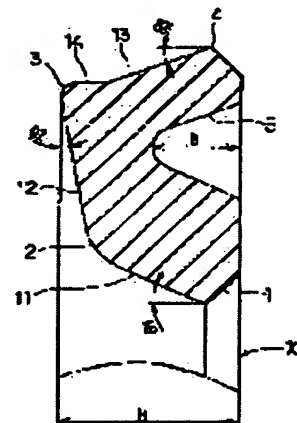
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(54) BUFFER SEAL

(57)Abstract:

PROBLEM TO BE SOLVED: To achieve correct surface pressure distribution to a slide member in a buffer seal.

SOLUTION: This buffer seal 10 contained in an installation groove to slidably get in contact with a piston rod (the slide member) for reducing pressure fluctuation introduced by a main seal comprises a circular U-groove part 5 to receive hydraulic pressure, a circular slide side lip 1 pressed to the piston rod by hydraulic pressure, a circular heel part 2 facing the opening end side of the installation groove, a circular shoulder part 3 facing a corner part of the installation groove, a circular fixed side lip 4 pressed to a bottom surface of the installation groove by hydraulic pressure, and a circular first inclination surface 11 inclined from the slide side lip 1 to the heel part 2 to gradually get apart from the piston rod. The heel part 2 is continuously curved from the first inclination surface 11.



- 1 滑動側リップ
- 2 ヒール部
- 3 ショルダー部
- 4 固定側リップ
- 5 U溝部
- 10 バッファシール
- 11 第一傾斜面
- 12 第二傾斜面
- 13 第三傾斜面
- 14 フラット部

LEGAL STATUS

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